

AMENDMENT TO THE CLAIMS:

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (Currently amended) A polyacetal resin composition which comprises a polyacetal resin, an antioxidant, a processing stabilizer, a heat stabilizer and an aliphatic carboxylic acid hydrazide represented by the following formula (1):



wherein X represents a hetero atom or a hetero atom-containing group having n-valence(s), R represents an alkylene group and $[[n]]$ n denotes an integer of 1 to 4;

wherein the antioxidant comprises at least one member selected from the group consisting of a hindered phenol compound and a hindered amine compound, and wherein

the processing stabilizer comprises at least one member selected from the group consisting of a higher fatty acid or a derivative thereof, a polyoxyalkylene glycol, and a silicone compound, and wherein

the heat stabilizer comprises at least one member selected from the group consisting of a basic nitrogen-containing compound, a phosphine compound, a metal salt of an organic carboxylic acid, an alkali or alkaline earth metal compound, a hydrotalcite, and a zeolite, wherein

the basic nitrogen-containing compound is at least one member selected from the group consisting of an aminotriazine compound, a guanidine compound, a urea compound, an amino acid compound, an amino alcohol compound, an imide compound, an amide compound, and a hydrazine compound different from tile carboxylic acid hydrazide represented by the formula (1).

2. (Withdrawn) A resin composition according to claim 1, wherein, in the formula (1), the hetero atom-containing group X is a group corresponding to a hetero atom-containing compound which comprises a chain or cyclic amine, a chain or cyclic alcohol, or a chain or cyclic ether, and H is a straight or branched C₁₋₁₀alkylene group.
3. (Original) A resin composition according to claim 1, wherein the hetero atom-containing group X is a group corresponding to a hetero atom-containing compound which comprises an azacycloalkane, an azacycloalkene, an azacycloalkadiene, a cyclic urea, a cyclic imide, a monohydroxyarene, a polyhydroxyarene, a bisphenol compound, an oxacycloalkane, or an oxaspiroalkane, and H is a straight or branched C₁₋₆alkylene group..
4. (Withdrawn) A resin composition according to claim 1, wherein the hetero atom-containing group X is a group corresponding to a hetero atom-containing compound which comprises at least one member selected from the group consisting of a cyclic ureide compound and a mono- or polyoxaspiroC₆₋₂₀alkane.
5. (Original) A resin composition according to claim 1, wherein the proportion of the aliphatic carboxylic acid hydrazide is 0.001 to 20 parts by weight relative to 100 parts by weight of the polyacetal resin.
6. (Currently amended) A resin composition according to claim 1, which further comprises at least one member selected from the group consisting of ~~an antioxidant, a heat stabilizer, a processing stabilizer,~~ a weather (light)-resistant stabilizer, an impact resistance improver, a gloss control agent, an agent for improving sliding property, a coloring agent, and a filler.
- 7.-9. (Canceled)

10. (Currently amended) A resin composition according to claim 1 ~~claim 6~~, wherein the heat stabilizer comprises at least one member selected from the group consisting of an alkaline earth metal salt of an organic carboxylic acid, and an alkaline earth metal oxide.
11. (Currently amended) A resin composition according to claim 1 ~~claim 6~~, wherein the heat stabilizer comprises an alkaline earth metal salt of a hydroxy acid.
12. (Original) A resin composition according to claim 6, wherein the weather (light)-resistant stabilizer comprises at least one member selected from the group consisting of a benzotriazole compound, a benzophenone compound, an aromatic benzoate compound, a cyanoacrylate compound, an oxalic anilide compound, and a hydroxyaryl-1,3,5-triazine compound.
13. (Original) A resin composition according to claim 6, wherein the impact resistance improver comprises at least one member selected from the group consisting of a thermoplastic polyurethane-series resin, an acrylic core-shell polymer, a thermoplastic polyester-series elastomer and a styrenic elastomer.
14. (Original) A resin composition according to claim 6, wherein the gloss control agent comprises at least one member selected from the group consisting to an acrylic resin and a styrenic resin.
15. (Original) A resin composition according to claim 6, wherein the agent for improving sliding property comprises at least one member selected from the group consisting of an olefinic polymer, a silicone-series resin, and a fluorine-containing resin.
16. (Original) A resin composition according to claim 1, wherein a pellet of the polyacetal resin coexists with the aliphatic carboxylic acid hydrazide or a master batch containing the aliphatic carboxylic acid hydrazide.

17. (Withdrawn and Currently Amended) A process for producing a polyacetal resin composition, which comprises melt-mixing a polyacetal resin, an antioxidant, a processing stabilizer, a heat stabilizer and an aliphatic carboxylic acid hydrazide represented by the following formula (1) ~~recited in claim 1~~ with an extruder,



wherein X represents a hetero atom or a hetero atom-containing group having n-valence(s), R represents an alkylene group and n denotes an integer of 1 to 4;

wherein the antioxidant comprises at least one member selected from the group consisting of a hindered phenol compound and a hindered amine compound, and wherein

the processing stabilizer comprises at least one member selected from the group consisting of a higher fatty acid or a derivative thereof, a polyoxyalkylene glycol, and a silicone compound, and wherein

the heat stabilizer comprises at least one member selected from the group consisting of a basic nitrogen-containing compound, a phosphine compound, a metal salt of an organic carboxylic acid, an alkali or alkaline earth metal compound, a hydrotalcite, and a zeolite, wherein

the basic nitrogen-containing compound is at least one member selected from the group consisting of an aminotriazine compound, a guanidine compound, a urea compound, an amino acid compound, an amino alcohol compound, an imide compound, an amide compound, and a hydrazine compound different from the carboxylic acid hydrazide represented by the formula (1), and

at least the aliphatic carboxylic acid hydrazide is fed to the extruder through a side feed port thereof and is mixed with the polyacetal resin.

18. (Withdrawn and Currently amended) A process for producing a polyacetal resin composition, which comprises melt-mixing a polyacetal resin, an antioxidant, a processing stabilizer, a heat stabilizer and an aliphatic carboxylic acid hydrazide represented by the following formula (1)~~recited in claim 4~~ with an extruder,



wherein X represents a hetero atom or a hetero atom-containing group having n-valence(s), R represents an alkylene group and n denotes an integer of 1 to 4;

wherein the antioxidant comprises at least one member selected from the group consisting of a hindered phenol compound and a hindered amine compound, and wherein

the processing stabilizer comprises at least one member selected from the group consisting of a higher fatty acid or a derivative thereof, a polyoxyalkylene glycol, and a silicone compound, and wherein

the heat stabilizer comprises at least one member selected from the group consisting of a basic nitrogen-containing compound, a phosphine compound, a metal salt of an organic carboxylic acid, an alkali or alkaline earth metal compound, a hydrotalcite, and a zeolite, wherein

the basic nitrogen-containing compound is at least one member selected from the group consisting of an aminotriazine compound, a guanidine compound, a urea compound, an amino acid compound, an amino alcohol compound, an imide compound, an amide compound, and a hydrazine compound different from tile carboxylic acid hydrazide represented by the formula (1), and

the average retention time in the extruder is not longer than 300 seconds.

19. (Withdrawn and Currently amended) A molded product, which is formed from a polyacetal resin composition comprising a polyacetal resin, an antioxidant, a

processing stabilizer, a heat stabilizer and an aliphatic carboxylic acid hydrazide represented by the following formula (1):



wherein X represents a hetero atom or a hetero atom-containing group having n-valence(s), R represents an alkylene group and $[[n]]$ n denotes an integer of 1 to 4;

wherein the antioxidant comprises at least one member selected from the group consisting of a hindered phenol compound and a hindered amine compound, and wherein

the processing stabilizer comprises at least one member selected from the group consisting of a higher fatty acid or a derivative thereof, a polyoxyalkylene glycol, and a silicone compound, and wherein

the heat stabilizer comprises at least one member selected from the group consisting of a basic nitrogen-containing compound, a phosphine compound, a metal salt of an organic carboxylic acid, an alkali or alkaline earth metal compound, a hydrotalcite, and a zeolite, wherein

the basic nitrogen-containing compound is at least one member selected from the group consisting of an aminotriazine compound, a guanidine compound, a urea compound, an amino acid compound, an amino alcohol compound, an imide compound, an amide compound, and a hydrazine compound different from tile carboxylic acid hydrazide represented by the formula (1).

20. (Withdrawn) A molded product according to claim 19, wherein (1) when the molded product is stored in a closed space for 24 hours at a temperature of 80°C, the amount of formaldehyde emission from the molded product is not more than 1.0 µg per one cm² of the surface area of the product, and/or (2) when the molded product is stored in a closed space for 3 hours at a temperature of 60°C

under saturated humidity, the amount of formaldehyde emission from the molded product is not more than 2 μg per one cm^2 of the surface area of the product.

21. (Withdrawn) A molded product according to claim 19, which is an automotive part, an electric or electronic device part, an architectural or pipeline part, a household utensil or cosmetic article part, or a medical device part.